ANNUAL REPORT

- of the -

MEDICAL OFFICER OF HEALTH

- for the -

RURAL DISTRICT OF HAWARDEN

- FOR THE YEAR -

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Gentlemen,

I have the honour to present to you my Annual Report on the Health of the Hawarden Rural District for the year 1964.

The Registrar General's estimated population for mid-year 1964 was 37,480 an increase of 360 since mid 1963.

The Birth and Death rates are based on this population figure, whilst for comparison with other districts comparability factors of 1.02 for Births and 1.20 for Deaths are applied.

The total number of live births during the year was 812 and gave a birth rate of 21.7 per 1,000, the national rate being 18.4.

The total number of deaths was 396 and gave a rate of 10.6 per 1,000, as compared with a national rate of 11.3.

There were 21 deaths of infants under 1 year of age, giving a rate of 25.9 as compared with a national rate of 20.0, of the infant deaths 11 died in the first week.

The principle causes of death (all ages) was diseases of the heart and circulatory system (17 - 21 inclusive in the table) 131 of the 396 total, i.e. 36%, and cancer all forms 76 deaths as 19% of the total.

Motor vehicle accidents accounted for 11 deaths and other accidents 4, a total of 15 deaths from accidents during the year.

There were no deaths from diphtheria, whooping cough or polio in the District, but the need for immunisation of infants continues.

Housing continued to occupy the active interest of your Health Department, and your Public Health Inspectors continued their work of inspections and enquiries into the environmental circumstances of housing applicants.

To conclude, Gentlemen, I thank the Chairman and Members of the Health Committee for their support and help during the year. Your Clerk, Mr. F.N.V. Meredith was always helpful, your Surveyor, Mr. G.I. Reidford has co-operated in every way and your Public Health Inspectors Mr. M.E. Thomas, and Mr. D.R. George gave loyal support, and I wish to thank them all, and all your officials for their continued assistance during the year.

I have the honour to be Gentlemen,
Your obedient Servant.

A. CATHCART.

Medical Officer of Health.

STATISTICS AND SOCIAL CONDITIONS OF THE AREA

	1960	1961	1962	1963	1964
Area in Acres	31,576	31,576	31,576	31,576	31,576
Population (Census 1961)	34,659	34,659	36,002	36,002	36,002
Population (Estimated Mid Year)	36,020	36,540	36,840	37,120	37,480
Density	1.1	1.15	1.17	1.17	1.19
Number of Inhabited Houses according to Rate Books	10,813	11,093	11,415	11,556	11,844
Number of Houses Completed					
Local Authority	23	46	95	60	43
Private	139	147	227	272	276
Total	162	193	322	332	319
Number of occupied houses owned by Local Authority	3,162	3,185	3,280	3,421	3,464
Rateable Value	£466,298	£481,424	£512,049	£1,265,560	£1,282,317
Sum represented by 1d Rate	£1,868	£1,994	£2,082	£5,075	£5,111
Births	643	672	703	731	812
Birth Rate per 1,000	17.1	18.8.	19.2	20.0	21.7
Deaths	363	391	421	442	396
Death Rate per 1,000	11.5	13.5	14.4	14.2	10.6
Infantile Mortality Rate per 1,000 Live Births	21.7	25.3	16.8	34.1	25.9
Death Rate from all forms of Tuberculosis per 1,000	0.13	0.16	0.05	0.16	0.027

EXTRACTS FROM THE VITAL STATISTICS FOR THE YEAR

ESTIMATED MID-YEAR POPULATION 37,480

COMPARABILITY FACTORS

BIRTHS	DEATHS
1.02	1.20

LIVE BIRTHS

	Male	Female	Total	Birth Rate per 1,000 Home Population
Total	412	400	812	21.7
Legitimate	387	379	766	
Illegitimate	25	21	46	

STILL BIRTHS

	Male	Female	Total	Rate per 1,000 Total (Live & Still Births)
Total	11	4	15	18.1
Legitimate	11	4	15	
Illegitimate	-	-	-	

DEATHS OF INFANTS UNDER 1 YEAR OF AGE

	Male	Female	Total	Infantile Mortality per 1,000 Live Births
Total	12	9	21	25.9
Legitimate	11	9	20	
Illegitimate	1	-	1	

DEATHS OF INFANTS UNDER 4 WEEKS OF AGE

	Male	Female	Total
Total	11	8	19
Legitimate	10	8	18
Illegitimate	1	-	1

DEATHS OF INFANTS UNDER 1 WEEK

	Male	Female	Total
Total	11	8	19
Legitimate	10	8	18
Illegitimate	1	-	1

CAUSES OF DEATH

		1964 Male.	1964 Female.
1.	Tuberculosis - Respiratory	1	-
2.	Tuberculosis - Other	-	-
3.	Syphilitic Disease	1	-
4.	Diphtheria	-	-
5.	Whooping Cough	-	-
6.	Monigococcal Infection	-	-
7.	Acute Poliomyelitis	-	-
8.	Measles	-	-
9.	Other Infective or Parasitic Diseases	-	-
10.	Malignant Neoplasm Stomach	7	4
11.	Malignant Neoplasm Lungs - Bronchus	15	2
12.	Malignant Neoplasm Breast	-	5
13.	Malignant Neoplasm Uterus	-	3
14.	Other Malignant and Lymphatic Neoplasms	21	19
15.	Leukaemia Aleukaemia	-	2
16.	Diabetes	1	-
17.	Vascular Lesions of Nervous System	20	47
18.	Coronary Disease - Angina	41	26
19.	Hypertension with Heart Disease	5	5
20.	Other Heart Diseases	21	19
21.	Other Circulatory Diseases	5	9
22.	Influenza	1	-
23.	Pnuemonia	11	7
24.	Bronchitis	21	5
25.	Other Diseases of Respiratory System	3	2
26.	Ulcer of Stomach and Duodenum	1	1
27.	Gastritis, Enteritis and Diarrhoea	3	1
28.	Nephritis and Nephrosis	3	1
29.	Hyperplasia of Prostate	3	-
30.	Pregnancy - Childbirth - Abortion	-	-
31.	Congenital Malformations	1	2
32.	Other Defined and Ill-defined Diseases	17	17
33.	Motor Vehicle Accidents	7	4
34.	All other Accidents	3	1
35.	Suicide	2	-
36.	Homicide and operations of War.	-	-
		214	182

TOTAL - 396-Death Rate 10.6 per 1,000 Home Population.

Deaths from Disease and Accidents	15
Pregnancy & Childbirth:	Nil
From Sepsis	Nil
Other causes	Nil
Deaths from Diarrhoes (Under 2 years of age)	Nil
Deaths from Cancer (All ages)	76
Deaths from Diseases of the Circulatory systems (Including Heart Diseases)(All Ages)	131 - 72 Male. 59 Female.

After applications of the comparability factor:
BIRTH RATE for comparison with other areas - 21.7 per 1,000 home population.
DEATH RATE for comparison with other areas - 10.6 per 1,000 home population.

There was a decrease of 48 in the number of deaths during 1964, as compared with 1963. The number of deaths from circulatory and heart diseases was 91 less than in 1963 and Cancer 4 less.

Respiratory diseases - Pnuemonia, Bronchitis, and other diseases of the Respiratory System - 17 less. Influenza - less than in 1963.

GENERAL PROVISION OF HEALTH SERVICES IN THE AREA

1. PUBLIC HEALTH OFFICERS OF THE AUTHORITY

The Public Health Officials of the Hawarden Rural District Council consists of:-

Medical Officer of Health
Dr. A. Cathcart, M.B., Ch.B., D.T.M. & H.,D.P.H.

Chief Public Health Inspector
M. Emlyn Thomas, M.A.P.H.I., A.R.S.H.,

Public Health Inspector
D. Ronald George, M.A.P.H.I., A.R.S.H.

2. LABORATORY FACILITIES

This work is carried out by the Bacteriological Department, Royal Infirmary, Chester, and Messrs. Ruddock & Sherratt, Public Analysts, 30 Watergate Street, Chester.

The examination of samples is carried out at the Public Health Laboratory, Hoole Road, Chester.

3. AMBULANCE FACILITIES

These services are now under the control of the Flintshire County Council.

4. CLINICS AND TREATMENT CENTRES

Maternity and Child Welfare Clinics are established at Saltney, Broughton, Pentre, Shotton and Caergwrle.

School Clinics at Shotton, Saltney and Caergwrle.

Orthopaedic Clinic at Shotton.

Chest Clinic at Queensferry.

5. HOSPITALS

Hospital, Pentrobin, Hawarden - now for old people.

Catherine Gladstone Maternity Home, Mancot.

Meadowslea Hospital, Penyffordd, - now for old people.

The above are situated in the District, but hospitals over a much wider area are used for both infectious diseases and general cases, among these the more important are:-

Wrexham War Memorial.
Wrexham Maelor General.
Chester Royal Infirmary.
Chester City Hospital.
Clatterbridge Infectious Disease Hospital.

Infectious diseases including all types of Poliomyelitis are dealt with at the Isolation Branch of Maelor General Hostipal, Wrexham.

INSPECTION AND SUPERVISION OF FOOD

1. ICE CREAM

There are 72 premises registered under Section 16 of the Food and Drugs Act, 1955, all of these except one are for the purpose of selling "Pre Packed" ice cream, only one of the registered premises is concerned with the manufacturing of Ice Cream. As a result of a series of bad samples from the only manufacturing premises within the area, steps were taken, within the current year, and registration of these premises has now been cancelled.

During the year 8 samples were taken from the premises for Bacteriological examination, of which 3 were Grade 1, 2 were Grade 3, and 3 were Grade 4.

2.

2. MEAT AND OTHER FOODS

All premises concerned in the production of food have been regularly visited and the following was the amount of food found to be unfit for human consumption during the year.

Tinned.	Cooked Ham	369 lbs.	Corned Beef	183 lbs & 17 tins.
	Milk	49 tins.	Carrots	53 tins.
	Rice Pudding	67 tins.	Chopped Pork	28 tins.
	Soup	81 tins.	Salmon	26 tins.
	Ox Tongue	85 lbs.	Cream	8 tins.
	Peas	162 tins.	Fruit	483 tins.
	Tomatoes	123 tins.	Steak	54 tins.
	Fish	28 tins.	Jellied Veal	6 lbs.
	Beans	40 tins.	Sardines	4 tins.
	Luncheon Meat	8 lbs.	Luncheon Meat	26 tins.
	Stewed Steak	18 tins.	Mayonaise	2 jars.
	Spinach	11 tins.	Minced Beef & Onion	8 tins.
	Spaghetti	4 tins.	Piccalli	1 jar.
	Meals	36 tins.	Baked Beans	18 tins.
	Crab	1 tin.	Spam	6 tins.
	Pilchards	3 tins.	Pork	13 lbs.
Fresh.	Beasts Livers	19	Pigs Plucks	4
	Sheep Carcass & Offal	6	Beast Lungs	3
	Sheep Livers	28	Pigs Carcass & Offal	1
	Filletted Haddock	21 lbs.	Cod Fillets	119 lbs.
	Cheese	12 lbs.	Bacon	66 lbs.
	Beef	100 lbs.	Fish Cakes	72
	Mutton - fore ¼	2	Mutton - legs	2
Frozen.	Chicken & Mushroom Casserole.	7 pkts.	Fish Cakes	17 pkts.
			Peas	61 pkts.
	Chips	17 pkts.	Fish Fingers	21 pkts.
	Corn on cob	4 pkts.	Fish Fillets	101 pkts.
	Steak	20 pkts.	Cakes	6 pkts.
	Lamb Chops	2 pkts.	Beans	17 pkts.
	Sprouts	15 pkts.	Beef	24 pkts.
	Pies	11	Sausage	32 pkts.
	Chicken	10 lbs.		

Cont. Meat and other foods

The following is a report on the number of animals slaughtered, inspected, and the amount of meat condemned in the four existing Slaughterhouses during the year.

CARCASSES INSPECTED AND CONDEMNED

	Cattle excluding Cows	Cows	Calves	Sheep and Lambs	Pigs
Number Killed	385	2	1	2,980	116
Number Inspected	385	2	1	2,980	116
All Diseases except Tuberculosis					
Whole carcasses condemned	-	-	-	6	1
Carcasses of which some part or organ was condemned	13	-	-	31	2
Percentage of the number inspected affected with diseases other than Tuberculosis	3.9%	-	-	1.4%	2.6%
Tuberculosis only					
Whole carcasses condemned	-	-	-	-	-
Carcasses of which some part or organ was condemned	-	-	-	-	2
Percentage of the number inspected affected with Tuberculosis	-	-	-	-	1.7

SANITARY CIRCUMSTANCES in the
Hawarden Rural District

2. DETAILS OF WATER SUPPLY IN THE AREA

Parish	Name of Supply Undertaking	Houses With Piped Supply	Houses Without Piped Supply	Total
Hawarden	Hawarden & District Water-Works Company.	5184	21	
	Chester Waterworks Company.	139		
	Wrexham & E. Denbighshire Water Co.,	22		5366
Hope	Wrexham & E. Denbighshire Water Company.	1512	77	
	Caergwrle Water Supply	21		1610
Kinnerton	Wrexham & East Denbighshire Water Company.	133	10	143
Marford & Hoseley	Wrexham & E. Denbighshire Water Company.	264	-	264
West Saltney	Hawarden & District Water Company	1218	-	1218
East Saltney	Chester Waterworks Company.	1358	-	1358
Sealand	Hawarden & District Water Company.	681	57	
	Chester Waterworks Company.	161		899
Treuddyn	Wrexham & E. Denbighshire Water Company.	393	35	428
Llanfynydd	Wrexham & E. Denbighshire Water Company.	430	81	511

During the year 19 samples of water were taken, 13 from public supplies, and 6 from private supplies. Of these 6 were found to be unsatisfactory, and where results of samples were found to be below the required standard, all possible steps were taken to improve the quality of the supply.

2. SEWERAGE, AND SEWAGE DISPOSAL

Works	Parishes Served	Approx. Population.	Remarks
Queensferry	Hawarden (Greater Part)	17,086	These works were reconstructed during 1963.
Sealand (Garden City)	Sealand	3,258	The whole of the sewage from Sealand Parish is brought to the works in Queensferry.

Cont.....

Works	Parishes Served	Approx. Population.	Remarks.
Saltney	Hawarden (Part) E.Saltney (Whole)	5,000	These works deal with drainage from R.A.F. Sealand and DeHavilland Aircraft Factory.
Penyffordd.	Village of Penyffordd	1,230	These works are working satisfactorily.
Hope	Villages of Hope and Caergwrle.	1,710	- do -
Treuddyn	Treuddyn	650	- do -
Cymmau	Village of Cymmau in Parish of Llanfynydd	252	- do -
Ffrith			- do -
Marford			- do -
Kinnerton	Kinnerton	520	- do -
Caer Estyn		222	- do -
Llanfynydd		125	- do -

In addition to these works the Council have a number of small schemes dealing with small groups of houses which, owing to their location, cannot be readily connected to the main sewage system.

3. PUBLIC CLEANSING

The whole of the area is scavenged by direct labour.

4. CAMPING SITES

There are still four sites on which caravans and temporary dwellings are situated:-

Corbetts Yard, Pentre, Queensferry.

Higher Ferry Lane, Sealand.

Millstone Inn, Penyffordd.

Gladstone Way, Queensferry.

5. SMOKE ABATEMENT

No formal action has been taken in this respect.

6. SWIMMING BATHS AND POOLS

There are no swimming baths or bathing pools in the Hawarden Rural District.

7. ERADICATION OF BED BUGS

Several privately owned dwelling houses and Council houses were dealt with during the year for bug infestation.

The necessary work of disinfestation was carried out by the Public Health Inspectors

The method adopted included the stripping off of all wallpaper, removal of skirting boards, and picture rails, and periodical spraying with "Zaldecide", D.D.T. and "Gammexane".

8. RAG FLOCK ACT 1911 and 1928

There are no premises in this area where Rag Flock is manufactured or sold.

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ADMINISTRATION OF THE FACTORIES ACTS, 1937/1959
for the year 1964.

Part 1 of the Act

1. INSPECTIONS relating to provisions for health made by the Public Health Inspectors during 1964.

	Number on Register	NUMBER OF		
		Inspections	Written Notices	Occupiers Prosecuted
(i) Factories where Section 1,2,3,4, & 6 are to be enforced by Local Authority	25	48	-	-
(ii) Factories not included where Section 7 is to be enforced by the Local Authority	124	131	-	-
(iii) Other premises where Section 7 is to be enforced by the Local Authority.	-	-	-	-

2. Cases in which DEFECTS were found

No cases of defects due to want of cleanliness, overcrowding, unreasonable temperature, inadequate ventilation or ineffective drainage of floors, were found. Two cases of defective and insufficient sanitary accommodation were found, as shown in the table overleaf

Cont.....

Cont. No. 2.

	No. of cases with defects found				
	Found	Remedied	REFFERED To H.M. Inspector.	REFFERED By H.M. Inspector	Prosecuted.
Sanitary Conveniences (Section 7):					
(a) Insufficient	2	2	-	-	-
(b) Unsuitable or Defective	-	-	-	-	-
(c) Not separate for the sexes	-	-	-	-	-
Total defects under Part 1 of the Act	2	2	-	-	-

Part VIII of the Act, Outwork (Sections 110 and 111)

Nature of work Nature of work	Section 110		
	No. of outworkers in August list as required by Section 110 (1)(c)	No. of cases of default in sending lists to the Council	No. of Prosecutions for failure to supply lists
Wearing apparel: Making etc.	-	-	-

No instances relating to Section 111 (Unwholesome premises) were known.

PREVALANCE AND CONTROL OF INFECTIOUS DISEASES

DIPHTHERIA

Diphtheria Prophlactic Antigen is issued free to Medical Practitioners for the immuniations of children in the area.

All records relating to Diphtheria Immunisation are forwarded by Medical Practitioners or Assistant School Medical Officers to the Department of the County Medical Officer of Health. The County Council now provide for children to be protected against Diphtheria and Whooping Cough by the use of all combined Antigen.

VACCINATION

Vaccinations were carried out by the Medical Officer of Health at the County Council Child Welfare Clinics. During the year no Smallpox contact entered the area from infected ships or aircraft.

CLEANSING AND DISINFECTION

During the year one demand was made for the cleansing of, and disinfestation of a verminous person.

In all cases of Scarlet Fever and Death resulting from Tuberculosis as well as in all cases where it is considered advisable, the houses of the patients are thoroughly disinfected by the Public Health Inspectors.

Facilities are available at the Isolation Hospital for the steam disinfestation of bedding, but this hospital is now under the control of the North Wales Hospital Board with whom co-operation is maintained.

PREVENTION OF BLINDNESS

No action was taken under Section 66 of the Public Health Act 1925.

INFECTIOUS DISEASES (OTHER THAN TUBERCULOSIS)
During the year 1964.

	Under 1 Year	1 and under 3	3 and under 5	5 and under 10	10 and under 15	15 and under 25	Over 25	Age un-Known	Total
Scarlet Fever	-	1	-	2	-	-	-	-	3
Pnuemonia	-	-	-	-	-	-	-	-	-
Measles	4	38	55	80	6	2	-	-	186
Whooping Cough	1	4	2	6	-	-	-	-	13
Dysentery	-	2	-	1	-	-	1	1	5
Acute Poliomyelitis									
N.P.	-	-	-	-	-	-	-	-	-
P.	-	-	-	-	-	-	-	-	-

T U B E R C U L O S I S

TABULATED NEW CASES FOR 1964

Age Period.	Resp. Male.	Resp. Female.	Meninges & CNS Male.	Meninges & CNS Female.	Other Male.	Other Female.	Total
1 - 4	-	-	-	-	-	-	-
5 - 14	1	-	-	-	-	-	1
15 - 24	1	1	-	-	-	-	2
25 - 44	2	1	-	-	-	-	3
45 - 64	4	2	-	-	-	-	6
65 & over	3	-	-	-	-	-	3
Age Unknown	1	-	-	-	-	-	1
Total	12	4	-	-	-	-	16

COMPARATIVE FIGURES OF INCIDENCE OF NOTIFIABLE INFECTIOUS DISEASES FOR THE LAST 10 YEARS

	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964
Scarlet Fever	9	15	13	5	15	10	5	3	8	2	3
Diphtheria	-	-	-	-	-	-	-	-	-	-	-
Typhoid	-	-	-	-	-	-	-	-	-	-	-
Puerperal Pyrexia	1	2	1	-	-	-	-	-	1	1	2
Pnuemonia	3	16	10	18	4	10	9	15	6	1	-
Ersipelas	-	-	-	-	1	-	-	-	1	-	1
Menigococcal Infection	-	-	-	1	-	1	-	1	-	-	1
Measles	277	159	162	209	56	87	289	350	32	367	186
Whooping Cough	46	32	18	24	4	46	17	2	-	-	13
Tuberculosis	44	43	26	26	28	34	40	25	23	28	16
Acute Poliomyelitis	-	3	1	4	1	-	-	1	-	-	-
Encephalitis	-	-	-	-	-	-	-	-	-	-	-
Food Poisoning	1	-	-	-	-	-	-	-	-	-	1
Dysentery	-	-	-	-	-	-	-	3	9	-	5
Para-typhoid	-	-	-	-	-	-	-	-	-	-	2